



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : G. Douglas Baldwin Art Unit: : 3644  
Serial No. : 10/693,800 Examiner: : T. Dinh  
Filing Date : October 24, 2003  
Title : Tailboom-Stabilized VTOL Aircraft

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

DECLARATION OF G. DOUGLAS BALDWIN

G. DOUGLAS BALDWIN declares as follows:

1. I am the inventor of the subject matter of U.S. Patent Application Serial No. 10/693,800, which was filed on October 24, 2003. I have a financial interest in any patent issuing from that application.

2. Before October 24, 2002, I posted a number of files to an Internet Web server under my control. Some of the files were documents in PDF format, which are being submitted as printouts with the concurrently filed Form PTO-1449, and some were videos in MPEG format, which are being submitted on a CD-ROM included with the Form PTO-1449. The files are listed below by ID code (used in the Form PTO-1449), title, and posted file name. The file listed under ID code AU was not posted.

ID	Title	File Name
AS	"SkyTrain Open Rotor Aircraft"	skytrain_concept_document.pdf
AT	"SkyTrain Open Rotor Aircraft: Concept Drawings"	skytrain_concept_drawings.pdf
AU	"SkyTrain Open Rotor Aircraft Concept as a response to Preliminary Assessment of a Cargo Helicopter External Load System Concept"	response_to_preliminary_1 assessment.pdf
AV	Untitled drawings	army_drawings.pdf
AW	"Vertical Lift Military Transport"	army_specification.pdf
AX	"SkyTrain for Rapid Resupply"	army_presentation.pdf

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ID	Title	File Name
AY	"Vertical Lift Military Transport"	Skytrain Fan FAQ.pdf
AZ	Untitled drawings	electric_free_wing_aircraft.pdf
BA	Untitled drawings	fixed_wing_aircraft.pdf
BB	Untitled drawings	Copy #1: Skytrain Fan Drawings.pdf Copy #2: army.pdf
BC	Untitled drawings	twin_engine_prototype.pdf
BD	Untitled drawings	ultralight_craft.pdf
BE	Video	heavy_lift.mpg
BF	Video	army_comparison.mpg
BG	Video	army.mpg

3. Also before October 24, 2002, I disclosed subject matter from the listed files, including the file not posted but listed above under the ID code "AU," to a few persons, one at a time, employed by the U.S. Army, NASA, DARPA, the V-22 Osprey Project, and the Institute for Defense Analyses. On or about July 12, 2002, I disclosed information relating to the file "SkyTrain for Rapid Resupply" (identified as "AW" in the table above) to about six people in the U.S. Army's CASCOM group at Fort Lee, Virginia. Perhaps a couple of weeks earlier, I discussed such information with a couple of people in the AMMOLOG group at Picatinny, New Jersey.

4. The purpose of those disclosures was to obtain expert feedback on the technical merits of the subject matter, early input on possible research and development funding for the concepts, and information about air transport needs within the U.S. military as compared to the concepts. Before October 24, 2002, I never sold or offered for sale any product including the disclosed inventions, nor did I perform (or offer to perform) any method relating to those inventions for commercial gain.

5. Someone who knew the server's URL, "baldwintechology.com," with or without a preceding "www," could access the server and the listed files via the Internet. I shared the URL with various of the individuals mentioned above to make it more convenient for them to access the posted documents. I did not disseminate the URL in any other manner. To the best of my knowledge and belief, before October 24, 2002:

- (a) The only accesses of any the posted files via the server were by the individuals mentioned above or, infrequently, by others within the individuals' organizations who received the URL from them.
- (b) No Web crawler, including the Google™ Web crawler, accessed the Internet server.
- (c) No other site linked to the server's URL.

Signed under penalty of perjury this 19<sup>th</sup> day of May, 2004, at Port Washington,  
New York.



G. Douglas Baldwin

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